

ABSTRACT OF THE DISCLOSURE

A process for preparing a fiber reinforced polymeric foam composite includes introducing a foamable mixture into a low binder expandable fiber mat and then expanding the foamable mixture into a polymeric foam between top and bottom facing sheets such that the fibers of the low binder fiber mat become dispersed within the polymeric foam, wherein the low binder fiber mat is part of a composite web that further comprises a support web. Such a composite web is particularly useful for preparing reinforced polymeric foam composites that contain a fiber reinforced polymeric foam having a thickness of greater than two inches (5.08 centimeters) and fibers substantially distributed therein.

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